

WHAT IS CLAIMED IS:

1. A video-recording system for recording a video signal generated by an imaging apparatus and meta data related to said video signal onto a recording medium, wherein said meta data is added to said video signal of every frame and said video signal including said additional meta data is recorded onto said recording medium.

2. A video-recording system according to claim 1, wherein said meta data added to said video signal is packed in one or more meta-data groups intended for different purposes of utilizing said meta data.

3. A video-recording system according to claim 2, wherein said meta-data groups include at least one of a scene-information group, a camera-setting group, a lens-setting group and a dolly-setting group where said scene-information group is defined as a meta-data group containing information on a scene shot by said imaging apparatus, said camera-setting group is defined as a meta-data group containing setting information of said imaging apparatus, said lens-setting group is defined as a meta-data group containing setting information of a lens apparatus employed in said imaging apparatus and said dolly-setting group is defined as a meta-data group

containing setting information of a dolly apparatus employed in said imaging apparatus.

4. A video-recording system according to claim 2, wherein a unique group identification is assigned to each of said meta-data groups added to said video signal.

5. A video-recording system according to claim 2, wherein information on the amount of data contained in a meta-data group is appended to each of said meta-data groups added to said video signal.

6. A video-recording system according to claim 2, wherein, when at least one of said meta-data groups is added to an area of said video signal, pieces of dummy data are added to other areas included in said video signal as areas allocated to the other-meta-data groups.

7. A video-recording system according to claim 1, wherein said meta data is added to said video signal by inserting said meta data into a blanking area of said video signal.

8. A video-recording system according to claim 1, wherein said imaging apparatus is capable of shooting an object by varying the frame rate of said video signal.

9. A meta-data addition apparatus for adding meta data related to a video signal generated by an imaging apparatus to every frame of said video signal.

10. A meta-data addition apparatus according to claim 9, wherein said meta data is packed in one or more meta-data groups intended for different purposes of utilizing said meta data and said meta-data groups are added to said video signal.

11. A meta-data addition apparatus according to claim 10, wherein said meta-data groups include at least one of a scene-information group, a camera-setting group, a lens-setting group and a dolly-setting group where said scene-information group is defined as a meta-data group containing information on a scene shot by said imaging apparatus, said camera-setting group is defined as a meta-data group containing setting information of said imaging apparatus, said lens-setting group is defined as a meta-data group containing setting information of a lens apparatus employed in said imaging apparatus and said dolly-setting group is defined as a meta-data group containing setting information of a dolly apparatus employed in said imaging apparatus.

12. A meta-data addition apparatus according to claim 10, wherein a unique group identification is assigned to each of said meta-data groups added to said video signal.

13. A meta-data addition apparatus according to

claim 10, wherein information on the amount of data contained in a meta-data group is appended to each of said meta-data groups added to said video signal.

14. A meta-data addition apparatus according to claim 10, wherein, when at least a specific one of said meta-data groups is added to a specific area of said video signal, pieces of dummy data are added to other areas included in said video signal as areas allocated to the other-meta-data groups.

15. A meta-data addition apparatus according to claim 9, wherein said meta data is added to said video signal by inserting said meta data into a blanking area of said video signal.

16. An imaging apparatus comprising:

an imaging unit for shooting an object and generating a video signal representing said object; and

a meta-data addition apparatus for adding meta data related to said video signal to every frame of said video signal.

17. An imaging apparatus according to claim 16, wherein said meta data is packed in one or more meta-data groups intended for different purposes of utilizing said meta data and said meta-data groups are added to said video signal.

18. An imaging apparatus according to claim 16, said imaging apparatus capable of shooting an object by varying the frame rate of said video signal.

19. A video-signal-recording apparatus comprising:
a meta-data addition apparatus for adding meta data related to a video signal generated by an imaging apparatus to every frame of said video signal; and
a recording unit for recording said video signal including said additional meta data onto a recording medium.

20. A video-signal-recording apparatus according to claim 19, wherein said meta-data addition apparatus packs said meta data in one or more meta-data groups intended for different purposes of utilizing said meta data and adds said meta-data groups to said video signal.

21. A video-recording method for recording a video signal generated by an imaging apparatus and meta data related to said video signal onto a recording medium, wherein said video signal and said meta data are recorded onto said recording medium by adding said meta data to every frame of said video signal.

22. A video-recording method according to claim 21, wherein said meta data to be added to said video signal is packed in one or more meta-data groups intended for

different purposes of utilizing said meta data.

23. A video-recording method according to claim 22, wherein said meta-data groups include at least one of a scene-information group, a camera-setting group, a lens-setting group and a dolly-setting group where said scene-information group is defined as a meta-data group containing information on a scene shot by said imaging apparatus, said camera-setting group is defined as a meta-data group containing setting information of said imaging apparatus, said lens-setting group is defined as a meta-data group containing setting information of a lens apparatus employed in said imaging apparatus and said dolly-setting group is defined as a meta-data group containing setting information of a dolly apparatus employed in said imaging apparatus.

24. A video-recording method according to claim 22, wherein a unique group identification is assigned to each of said meta-data groups.

25. A video-recording method according to claim 22, wherein information on the amount of data contained in a meta-data group is appended to each of meta-data groups.

26. A video-recording method according to claim 22, wherein, when at least a specific one of said meta-data groups is added to a specific area of said video signal,

pieces of dummy data are added to other areas included in said video signal as areas allocated to the other meta-data groups.

27. A video-recording method according to claim 21, wherein said meta data is added to said video signal by inserting said meta data into a blanking area of said video signal.

28. A video-recording method according to claim 21, wherein said imaging unit is capable of shooting an object by varying the frame rate of said video signal.

29. A meta-data format of meta data related to a video signal wherein, in accordance with said meta-data format, meta data is packed in a plurality of meta-data groups intended for different purposes of utilizing said meta data and said meta-data groups are arranged in series in said video signal.

30. A meta-data format according to claim 29, wherein, in accordance with said meta-data format, said meta-data groups include at least one of a scene-information group, a camera-setting group, a lens-setting group and a dolly-setting group where said scene-information group is defined as a meta-data group containing information on a scene shot by said imaging apparatus, said camera-setting group is defined as a

meta-data group containing setting information of said imaging apparatus, said lens-setting group is defined as a meta-data group containing setting information of a lens apparatus employed in said imaging apparatus and said dolly-setting group is defined as a meta-data group containing setting information of a dolly apparatus employed in said imaging apparatus.

31. A meta-data format according to claim 29, wherein, in accordance with said meta-data format, a unique group identification is assigned to each of said meta-data groups added to said video signal.

32. A meta-data format according to claim 29, wherein, in accordance with said meta-data format, the amount of data contained in a meta-data group is appended to each of said meta-data groups added to said video signal.